

DIALOG(R)File 352:Derwent WPI

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XRAM Acc No: C2001-187772

XRPX Acc No: N2001-469355

**Resin composition pellets comprising ethylene/vinyl alcohol copolymer, polyamide resin and fatty acid metal salt, useful as molding material for preparation of food wrapping sheet, retort pouch etc.**

Patent Assignee: NIPPON SYNTHETIC CHEM IND CO (NISY)

Inventor: KIDA K; NIMIYA K; ONISHI H

**Patent Family** (2 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
JP 2001200123	A	20010724	JP 200011168	A	20000120	200173 B
JP 3512362	B2	20040329	JP 200011168	A	20000120	200423 E

Priority Applications (no., kind, date): JP 200011168 A 20000120

#### **Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001200123	A	JA	11	0	
JP 3512362	B2	JA	11		Previously issued patent JP 2001200123

#### **Alerting Abstract** JP A

NOVELTY - Resin composition pellets(I) comprising (A) saponified product(s) of ethylene/vinyl acetate copolymer, (B) polyamide resin and (C) fatty acid metal salt(s) which is distributed in (I) and on the surface of (I) are claimed.

USE - (I) and (II) are useful as material for preparation of sheets, wrapping films, tubes, bottles, caps, trays etc, especially, (I) and (II) are useful as material for preparation of laminated films for retort pouchs.

ADVANTAGE - (I) and (II) show good moldability, give molded articles having good appearance, resistance to heat and gas barrier properties.

**Technology Focus**

POLYMERS - Resin composition pellets(II) comprising (A) 100 parts by weight, (B) 3-100 parts by weight, (C), (D) sodium acetate and/or (E) boric acid are claimed, also. Preferred materials are follows: (A) saponified product(s) of ethylene/vinyl acetate= 20/80-60/40(mol/mol) copolymer with MFR 0.5-50 g/10 min to become degree of saponification to 99 mol% or more, (B) nylon 6, nylon 12, nylon 6/12, nylon 6/66 etc, (C) 12-30C fatty acid(s) and/or its magnesium-, calcium- or zinc-salt(s). (I) is prepared by blending (A) 100 parts by weight, (B) 3-100(optimally 7-20) parts by weight, (C)(0.01-0.1 part by weight per 100 parts by weight of (A) and (B)) and optional additive(s)(e.g. antioxidant, antistatic agent, antiblocking agent, filler etc) and pelletising the mixture.

**Title Terms** /Index Terms/Additional Words: RESIN; COMPOSITION; PELLET; COMPRISE; ETHYLENE; VINYL; ALCOHOL; COPOLYMER; POLYAMIDE; FATTY; ACID; METAL; SALT; USEFUL; MATERIAL; PREPARATION; FOOD; SHEET; RETORT; POUCH

**Class Codes**

International Classification (Main): C08L-029/04  
(Additional/Secondary): B29B-009/06, B29K-055/00, B29K-077/00, B32B-027/28 , B32B-027/34, C08K-003/38, C08K-005/098, C08L-077/00

File Segment: CPI; EngPI

DWPI Class: A18; A23; A92; E12; P73

Manual Codes (CPI/A-M): A05-F01E3; A07-A04E; A08-M10; A10-E09B; A12-P01; E05-B01; E05-L03C; E10-C04H; E10-C04L2

**Chemical Indexing**

Derwent Registry Numbers: 1377-U; 1563-U

Chemical Fragment Codes (M3):

\*01\* M905 M904 M910 A430 A960 C710 J0 J011 J1 J171 M225 M231 M262 M281 M320

M411 M510 M520 M530 M540 M620 M630 M781 M782 Q130 R038 R043 R01377-K

R01377-M R01377-U 110857-K 110857-M 110857-U

\*02\* M905 M904 A212 A960 C710 J0 J011 J1 J171 M225 M231 M262 M281 M320  
M411

M510 M520 M530 M540 M620 M630 M781 M782 Q130 R038 R043 R01376-K  
R01376-M R01376-U 1092-K 1092-M 1092-U

\*03\* M905 M904 M910 A220 A960 C710 J0 J011 J1 J171 M225 M231 M262 M281  
M320

M411 M510 M520 M530 M540 M620 M630 M781 M782 Q130 R038 R043  
R01563-K

R01563-M R01563-U 89851-K 89851-M 89851-U

\*04\* M905 M904 H721 J0 J011 J1 J171 M220 M224 M225 M226 M231 M232 M233  
M262

M281 M320 M416 M620 M781 M782 Q130 R038 R043 0051-46201-K  
0051-46201-M

0051-46201-U

\*05\* M905 M904 A212 A220 A430 A960 C710 C801 C802 C803 C804 C805 C806  
C807

H721 J0 J011 J1 J171 M220 M224 M225 M226 M231 M232 M233 M262 M281  
M320

M411 M510 M520 M530 M540 M620 M630 M781 M782 Q130 R038 R043  
0051-46202-K 0051-46202-M 0051-46202-U

Specific Compound Numbers: R01377-K; R01377-M; R01377-U; R01376-K;  
R01376-M

; R01376-U; R01563-K; R01563-M; R01563-U; R00326; R00835; R01377; R01081;  
R01894

Generic (Markush) Compound Numbers: 0051-46201-K; 0051-46201-M;

0051-46201-U; 0051-46202-K; 0051-46202-M; 0051-46202-U; 0051-46201-CL;  
0051-46201-USE; 0051-46202-CL; 0051-46202-USE

Derwent Chemistry Resource Numbers: (Linked) 110857-K; 110857-M; 110857-U;

1092-K; 1092-M; 1092-U; 89851-K; 89851-M; 89851-U; 110857-CL; 110857-USE;  
1092-CL; 1092-ST; 1092-USE; 89851-CL; 89851-ST; 89851-USE; 1013; 829;  
110857; 60; 93

(Unlinked) 110857-U; 89851-U

### **Key Word Indexing**

\*1\* 110857-USE 1092-USE 89851-USE 0051-46201-USE 0051-46202-USE

**Polymer Indexing**

<01>

- \*001\* 018; G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 R00326-R  
1013-R; G0566 G0022 D01 D11 D10 D12 D51 D53 D58 D63 D84 F41 F89  
R00835-R 829-R; P1332 P1694; S9999 S1547 S1536; S9999 S1434; S9999  
S1285-R; S9999 S1581; H0022 H0011; S9999 S1661; P1150; P1310
- \*002\* 018; P0635-R F70 D01; S9999 S1547 S1536; S9999 S1434; P0646 P1934  
P0635 F70 D01 D11 D10 D50 D86; S9999 S1285-R; S9999 S1581; S9999  
S1661
- \*003\* 018; P0679 P1934 P0635 F70 D01 D11 D10 D50 D92; S9999 S1547 S1536;  
S9999 S1434; S9999 S1285-R; S9999 S1581; S9999 S1661
- \*004\* 018; P0715 P1934 P0635 F70 D01 D11 D10 D50 D93 E18 E00; S9999 S1547  
S1536; S9999 S1434; S9999 S1285-R; S9999 S1581; S9999 S1661
- \*005\* 018; P0726 P1934 P0635 F70 D01 D11 D10 D50 E13 E00; S9999 S1547 S1536  
; S9999 S1434; S9999 S1285-R; S9999 S1581; S9999 S1661
- \*006\* 018; ND04; K9745-R; Q9999 Q7589-R; Q9999 Q8560 Q8366; Q9999 Q8526  
Q8366; B9999 B3601 B3554; K9449; Q9999 Q8435 Q8399 Q8366; Q9999  
Q8399-R Q8366; Q9999 Q8388 Q8366; K9483-R; K9676-R; Q9999 Q7818-R;  
Q9999 Q8413 Q8399 Q8366; B9999 B3623 B3554; B9999 B4682 B4568;  
B9999  
B4864 B4853 B4740
- \*007\* 018; D01 D10-R D60 F36 F35 D92 D93 D94 D95; D01 D11 D10 D50 D61 D95  
F36 F35 Zn 2B Tr R01377-R 110857-R; D01 D10-R D61-R D94 D95 F36 F35  
Mg 2A Ca Zn 2B Tr; A999 A340-R; A999 A771
- \*008\* 018; A999 A497 A486; A999 A602 A566; A999 A577 A566; A999 A237
- \*009\* 018; D01 D11 D10 D50 D61 D82 F36 F35 Na 1A R01081-R 60-R; D00 D60 H-  
B- 3A O- 6A R01894-R 93-R; A999 A793

**Original Publication Data by Authority**

**Japan**

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**\*\*RESIN COMPOSITION PELLET AND MOLDED PRODUCT\*\***

JP2001-200123

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C08K-3/38(B) C08K-5/098(B) C08L-77/00(B) B29K-55:00(Z) B29K-77:00(Z)

Current IPC: C08L-29/04(A) B29B-9/06(B) B32B-27/28(B) B32B-27/34(B)

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Current IPC: C08L-29/04(A) B29B-9/06(B) B32B-27/28(B) B32B-27/34(B)

C08K-3/38(B) C08K-5/098(B) C08L-77/00(B)

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